



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H111111

Mode: Highway

Status: Submitted

US-220 (Battleground Avenue)

From/Cross Street: Cotswold Avenue

Specific Improvement Type: 1 - Widen Existing Roadway

To: Westridge Road

Project Category: Regional Impact

Length: 1.44

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$15,875,000

Description:

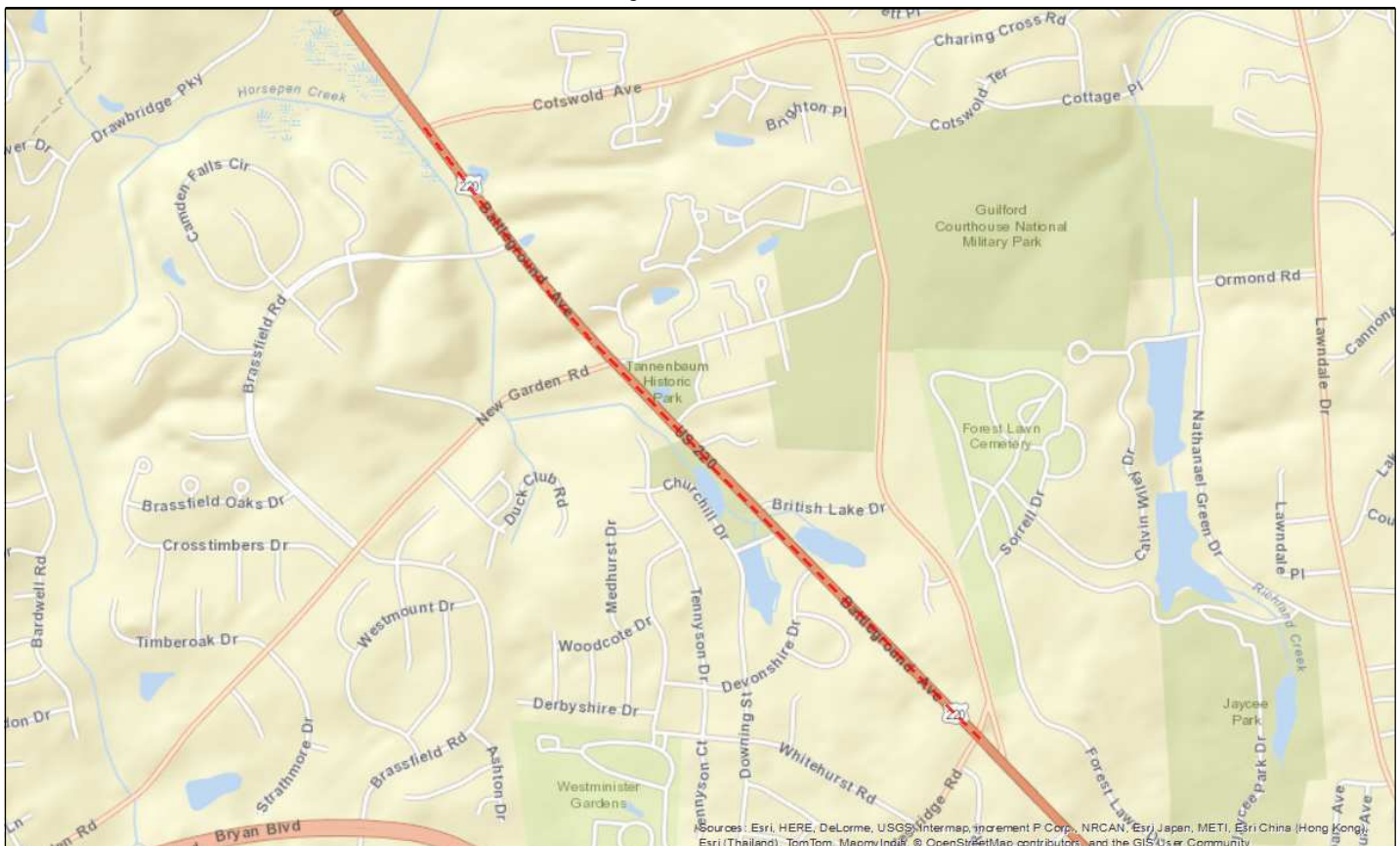
Widen from 5 Lanes to 6 Lanes Divided. Please Note the intersections at Westridge, New Garden, and Brassfield Have Already Been funded with Tip # U-5306. therefore This Project Would only include Improvements Between the intersections.

Division(s): Division 7

County(s): GUILFORD

MPOS(s)/RPO(s): Greensboro Urban Area MPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 57.29

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 64.18	Percent: 15%	Percent: 15%
Safety (10%) 83.96	Points: 100	Points: 100
[Travel Time] Benefit/Cost (25%) 3.92		
Accessibility / Connectivity (10%) 18.66		
Totals: Weight: 70% Weighted Score: 27.29		

Division Needs Total Score: 47.02

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 64.18	Percent: 25%	Percent: 25%
Safety (10%) 83.96	Points: 0	Points: 100
[Travel Time] Benefit/Cost (20%) 3.92		
Totals: Weight: 50% Weighted Score: 22.02		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	45
Length (miles):	1.44
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	Yes
Volume (AADT):	27992.4
Capacity:	31700
Volume/Capacity Ratio:	0.88
% Autos:	97%
% Trucks:	3%
Truck Volume:	769.25
Crash Density:	85.55
Crash Severity:	78.1
Critical Crash Rate:	88.25
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	17
Existing Median Type (for Cost Estimation):	TWLT
Pavement Condition Rating:	85
Actual Congested Speed:	33.24
Travel Time Index:	1.35

Project Benefits

Project Cross-Section:	6E - 6 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	1.44
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	2794160.24
Travel Time Savings for 30 Years (Autos):	2717374.69
Travel Time Savings for 30 Years (Trucks):	76785.55
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 7

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 7	100%	100	0
	0%	0	0
	0%	0	0
TOTAL Division Points		100	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Greensboro Urban Area MPO	100%	100	100
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	100

Project Cost and Source

Construction Cost:	\$11,058,000	TIP Unit
Right-of-Way Cost:	\$4,301,000	Cost Estimation Tool
Utilities Cost:	\$516,000	Cost Estimation Tool
Total Project Cost:	\$15,875,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$15,875,000	